International application No. PCT/JP2004/005406

Ā.	CLASSI	FICATION	OF SUB	JECT N	MATTER

Int.Cl⁷ A61K31/5513, 31/553, 31/5377, A61P43/00, 25/04, 37/06, 35/00, 15/00, 9/10, 7/02, 1/14, 25/28, 21/00, 25/08, 25/14, 7/00, 7/06, 5/24, 3/10, 13/02, 3/06, 17/00, 19/02, 19/08, C07D267/14, 243/24,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61K31/5513, 31/553, 31/5377, A61P43/00, 25/04, 37/06, 35/00, 15/00, 9/10, 7/02, 1/14, 25/28, 21/00, 25/08, 25/14, 7/00, 7/06, 5/24, 3/10, 13/02, 3/06, 17/00, 19/02, 19/08, C07D267/14, 243/24,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS(STN), REGISTRY(STN), MEDLINE(STN), BIOSIS(STN), EMBASE(STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	WO 98/47882 A1 (TAKEDA CHEMICAL INDUSTRIES,	1-9,12-30,32
A	LTD.),	10,11
	29 October, 1998 (29.10.98),	.1
	Full text	·
	& EP 979227 A1 & JP 11-209356 A	
٠.	& US 6352982 B1	
x	WO 97/10224 A1 (TAKEDA CHEMICAL INDUSTRIES,	1,9,32
1.	LTD.),	1
	20 March, 1997 (20.03.97),	
	Full text	İ
	& EP 862562 A1 & EP 1097928 A1	
•	& JP 9-136880 A & JP 2001-97963 A	İ
	& US 6110909 A & US 6613761 B1	
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×	Further do	cuments are listed in the continuation of Box C.		See patent family annex.
* "A"	document d	gories of cited documents: efining the general state of the art which is not considered icular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	"E" carlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"O"			"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being the party of th
"P"	document pe the priority	ublished prior to the international filing date but later than date claimed	"&"	being obvious to a person skilled in the art document member of the same patent family
Date	of the actua 01 June	completion of the international search (01.06.04)	Date	of mailing of the international search report 15 June, 2004 (15.06.04)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
F	imila Na		Tele	phone No.

International application No.
PCT/JP2004/005406

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/055121 Al (Kaken Pharmaceutical Co., Ltd.), 02 August, 2001 (02.08.01), Full text & AU 2001/28828 Al	1,9,32
. x	JP 2002-80468 A (Takeda Chemical Industries, Ltd.), 19 March, 2002 (19.03.02), Full text & JP 2003-64063 A & WO 01/98282 A1 & EP 1292585 A1 & US 2003/007851 A1	1,9,32
х	JP 2003-81873 A (Takeda Chemical Industries, Ltd.), 19 March, 2003 (19.03.03), Full text & WO 03/02147 A1 & EP 1407782 A1	1,9,32
Α	WO 03/018795 A1 (Takeda Chemical Industries, Ltd.), 06 March, 2003 (06.03.03), Full text & JP 2003-174889 A	1-30,32
	·	

International application No.

PCT/JP2004/005406

				C170F20047003406
Bo	x No.	. I	Nucleotide and/or amino acid sequence(s) (Continuation of item1.b of the first	sheet)
1.			ard to any nucleotide and/or amino acid-sequence disclosed in the international application, the international search was carried out on the basis of:	cation and necessary to the claimed
	a.	type	e of material	.
		×	a sequence listing	
			table(s) related to the sequence listing	
	b.	form	mat of material	1 2 0
			in written format	
		×	in computer readable form	
	c.	time	e of filing/furnishing	•
	- .		contained in the international application as filed	
		×		
	•		furnished subsequently to this Authority for the purposes of search	
_			•	- Commission of the base of the
2	×		addition, in the case that more than one version or copy of a sequence listing and/or to furnished, the required statements that the information in the subsequent or additional	
		appli	plication as filed or does not go beyond the application as filed, as appropriate, were f	furnished.
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3.	Add	itional	al comments:	
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International application No.

PCT/JP2004/005406

Box No. 1	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
Classand the Author (con-	national search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: 31 because they relate to subject matter not required to be searched by this Authority, namely: im 31 pertains to a method for treatment of the human body by therapy thus relates to a subject matter for which this International Searching ority is not required, under the provisions of Article 17(2)(a)(i) of tinued to extra sheet) Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No.	Observations where unity of invention is lacking (Continuation of item 3 of first sheet) rnational Searching Authority found multiple inventions in this international application, as follows:
1	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. CREMARK	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International application No.

PCT/JP2004/005406

Continuation of Box No.II-1 of continuation of first sheet(2)

the PCT and Rule 39.1(iv) of the Regulations under the PCT, to make an international search.

The term "prodrug" used in claims 1-4, 28, 29, and 32 cannot specify the scope of the compounds described in the claims. The term prodrug is not particularly defined in the description. Consequently, the subject matters are neither disclosed in the meaning of Article 5 of the PCT nor sufficiently supported in the meaning of Article 6 of the PCT.

Continuation of A. CLASSIFICATION OF SUBJECT MATTER (International Patent Classification (IPC))

Int.Cl⁷ 281/08, 413/12

(According to International Patent Classification (IPC) or to both national classification and IPC)

Continuation of B. FIELDS SEARCHED

Minimum documentation searched (International Patent Classification (IPC))

Int.Cl⁷ 281/08, 413/12

Minimum documentation searched (classification system followed by classification symbols)

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